

Interview Summary	Application No. 10/812,852	Applicant(s) DEGANI, HADASSA	
	Examiner Xiuqin Sun	Art Unit 2863	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Xiuqin Sun. (3) Marty Fleit.
 (2) Paul Bianco. (4) _____

Date of Interview: 14/11/06&12/05/06.

Type: a) ☒ Telephonic b) ☐ Video Conference
 c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
 If Yes, brief description: _____

Claim(s) discussed: 87-103.

Identification of prior art discussed: _____

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Please see attached Applicant's email "RE: US Application No. 10/812,852 " dated 12/05/2006.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

 Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Sun, Xiuqin

From: Marty Fleit [mfleit@fleitekain.com]
Sent: Tuesday, December 05, 2006 11:17 AM
To: Sun, Xiuqin
Subject: RE: US Application No. 10/812,852

Dear Examiner Sun,

I have reviewed the amendment to the claims and with the correction of "currently amended" to claims 87 to 103, I agree with the amendment. Thank you for your efforts in this matter.

Martin Fleit Reg. No. 16,900

-----Original Message-----

From: Sun, Xiuqin [mailto:Xiuqin.Sun@USPTO.GOV]
Sent: Tue 12/5/2006 11:04 AM
To: Marty Fleit
Cc:
Subject: FW: US Application No. 10/812,852

Dear Martin Fleit:

Thank you for the telephone calls . Attached please find a WORD document that includes the revised listing of claims as discussed.

Please confirm the proposed amendment.

Thanks again.

-----Original Message-----

From: Marty Fleit [mailto:mfleit@fleitekain.com]
Sent: Friday, December 01, 2006 10:50 AM
To: Sun, Xiuqin
Subject: RE: US Application No. 10/812,852

SUN, Xiuqin

Thank you for the email, it was very helpful. I suggest amending claims 87 to 103 by inserting the phrase

"Computer-readable medium containing program instructions for producing"

at the beginning of each claim. I will telephone you shortly to confirm that this will cure the problem.

Martin Fleit

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12/5/06

FYI

-----Original Message-----

From: Sun, Xiuqin

Sent: Wednesday, November 22, 2006 12:14 PM

To: 'paul bianco'

Subject: RE: US Application No. 10/812,852

Dear Dr. Bianco,

Sorry for the disconnection. We just got some problem with the phone system here.

Here is the guideline for 101 issue:

<http://www.uspto.gov/web/offices/com/sol/og/2005/week47/patgupa.htm>

Please review it and make proposed amendment to all the independent claims.
If everything is fine, I will do the Examiner's amendment and allow this case.

Thank you,

— Xiuqin Sun

The contents of this message may be privileged and confidential. Therefore, if this message has been received in error, please delete it without reading it. Your receipt of this message is not intended to waive any applicable privilege. Please do not disseminate this message without the permission of the author.

LISTING OF CLAIMS:

1 to 86 (Cancelled)

87. (Currently Amended) Computer-readable medium containing program instructions for producing a[[A]] color coded image for use in evaluating a selected place in a system in which a fluid flows, and which is characterized by a change in the system with time in space as a function of a system parameter related to system wash-in behavior and wash-out behavior at two preselected time intervals after a system event, said image depicting in two or three dimensions an image of the system in a plurality of colors, and wherein the discrete elements of the image have been coded by a color function related to system behavior at the two preselected time points to have a color hue of one of said plurality of colors indicative of the system wash-out behavior.

88. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 87 in which the system comprises human tissue.

89. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 88 in which the system comprises human breast tissue.

90. (Currently Amended) Computer-readable medium[[A color coded image]]as recited in claim 88 in which the system comprises two breasts.

91. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 87 in which the system event is defined by injection of a tracer into the fluid.

92. (Currently Amended) Computer-readable medium containing program instructions for producing a[[A]] color coded image for use in evaluating a selected place in a system in which a fluid flows, and which is characterized by a change in the system with time in space as a function of a system parameter related to system wash-in behavior and wash-out behavior at two preselected time intervals after a system event, said image depicting in two or three dimensions an image of the system in a plurality of colors, and wherein the discrete elements of the image have been coded by an intensity function related to system behavior before the system event and the first of the two selected time points to have a color intensity indicative of the system wash-in behavior.

93. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 92 in which the system comprises human tissue.

94. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 92 in which the system comprises human breast tissue.

95. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 92 in which the system comprises two breasts.

96. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 92 in which the system event is defined by injection of a tracer into the fluid.

97. (Currently Amended) Computer-readable medium containing program instructions for producing a[[A]] color coded image for use in evaluating a selected place in a system in which a fluid flows, and which is characterized by a change in the system with time in space as a function of a system parameter related to system wash-in behavior and wash-out behavior at two preselected time intervals after a system event, said image depicting in two or three dimensions an image of the system in a plurality of colors, and wherein the discrete elements of the image have been coded by a color function related to system behavior at the two preselected time points to have a color hue of one of said plurality of colors indicative of the system wash-out behavior and have been coded by an intensity function related to system behavior at the system event and the first of the two selected time points to have a color intensity indicative of the system wash-in behavior.

98. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 97 in which the system comprises human tissue.

99. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 98 in which the system comprises human breast tissue.

100. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 99 in which the system comprises two breasts.

101. (Currently Amended) Computer-readable medium[[A color coded image]] as recited in claim 97 in which the system event is defined by injection of a tracer into the fluid.

102. (Currently Amended) Computer-readable medium containing program instructions for producing a[[A]] color coded image for use in evaluating a lesion in the breast of a subject body in which blood flows and in which a contrast agent has been injected into the blood and which is characterized by a change in the concentration of the contrast agent in the breast with time in space as a function of the contrast agent wash-in and wash-out behavior at two time intervals after injection of the contrast agent, said image depicting in two or three dimensions an image correlated with the said behavior, and wherein the discrete elements of the image have been color coded by a color function to have a color hue of one of a plurality of colors indicative of the contrast agent wash-out behavior and have been coded by an intensity function to have a color intensity indicative of the contrast agent wash-in behavior.

103. (Currently Amended) Computer-readable medium[[The color coded image]] of claim 102 wherein said behaviors are determined by two variables, K and v, wherein K

defines microvascular permeability and v defines the fraction of extracellular volume which estimates the amount of free space in the breast.

104 to 119 (Cancelled)

120. (Currently Amended) A method for generating a color-coded image of a tissue of a human patient, comprising:

selecting a plurality of time points which define at least a first time interval after a system event and a second time interval after the system event;

obtaining an magnetic resonance imaging ("MRI") image of a location in a tissue of a human patient at each of the plurality of time points;

processing the magnetic resonance imaging ("MRI") images, and based thereon, generating a color coded image of the location in the tissue, the color coded image having a plurality of discrete elements, the discrete elements of the image having a color hue indicative of wash-out behavior in the tissue during the second time interval and a color intensity indicative of wash-in behavior in the tissue during the first time interval.

121. (Previously Presented) The method of claim 120, wherein the step of generating the color coded image further comprises displaying said color coded image on a display screen.

122. (Previously Presented) The method of claim 120, wherein the tissue is female human breast tissue.

123. (Previously Presented) The method of claim 120, wherein the system event is an injection of a contrast agent into the human patient.

124. (Previously Presented) The method of claim 120, wherein the second time interval is after the first time interval.

125. (Previously Presented) The method of claim 120, wherein the time points include a first time point, a second time point subsequent to the first time point, and a third time point subsequent to the second time point, the first time interval being between the first and second time points and the second time interval being between the second and the third time points.

126. (Previously Presented) The method of claim 120, further comprising altering the time points to redefine the first and second time intervals, and repeating the obtaining and processing steps.